# COMMONWEALTH OF KENTUCKY BEFORE THE PUBLIC SERVICE COMMISSION

# In the Matter of:

An Investigation of the	)
Reliability Measures of	) Case No.
Kentucky's Jurisdictional	) 2011-00450
Electric Distribution Utilities	)

\* \* \* \*

SALT RIVER ELECTRIC COOPERATIVE CORPORATION 111 West Brashear Avenue Bardstown Kentucky 40004



2013 ELECTRIC DISTRIBUTION UTILITY ANNUAL RELIABILITY REPORT

> Prepared by: Timothy J. Sharp PE Chief Operating Officer tjsharp@srelectric.com (502) 350.1605



# SALT RIVER ELECTRIC

111 West Brashear Avenue • Bardstown, Kentucky 40004 (502) 348-3931 • (502) 955-9732 • Fax (502) 348-1993

RECEIVED

MAR 3 1 2014
PUBLIC SERVICE
COMMISSION

March 31, 2014

Director of Engineering
KY Public Service Commission
PO Box 615
Frankfort KY 40602-0615

Re:

2013 Electric Distribution Utility Annual Reliability Report

Salt River Electric Cooperative Corporation

Dear Sir:

Enclosed is the Electric Distribution Utility Annual Reliability Report – Reporting Year 2013 for Salt River Electric Cooperative Corporation, Bardstown, Kentucky.

If you require further information or have any questions regarding this report, please contact me at 502.350.1605.

Sincerely,

Timothy J. Sharp PE Chief Operating Officer

Salt River Electric Cooperative Corporation

# Electric Distribution Utility Annual Reliability Report

SECTION 1	:	CONTACT	INFORMATION

SECTION 1. CO	MIACI	INFORMATION
UTILITY NAME REPORT PREPARED BY E-MAIL ADDRESS OF PREPARER PHONE NUMBER OF PREPARER	1.1 1.2 1.3 1.4	Salt River Electric Tim Sharp tjsharp@srelectric.com 502-350-1605
SECTION	2: REP	ORT YEAR
CALENDAR YEAR OF REPORT	2.1	2013
SECTION 3: N	MAJOR	EVENT DAYS
TMED FIRST DATE USED TO DETERMINE TMED	3.1 3.2	11.31
LAST DATE USED TO DETERMINE TMED	3.2 3.3	<u>1/1/2008</u> <u>1/1/2012</u>

NOTE: Per IEEE 1366 TMED should be calculated using the daily SAIDI values for the five prior years. If five years of data are not available, then utilities should use what is available until five years are accumulated.

NUMBER OF MED IN REPORT YEAR

#### SECTION 4: SYSTEM RELIABILITY INFORMATION AND RESULTS

3.4

System-wide Information

TOTAL CUSTOMERS	48636	TOTAL CIRCUITS	99
	Excl	uding MED	
5 YEA	AR AVERAGE	REF	ORTING YEAR
SAIDI	102.9	SAIDI	88.4
SAIFI	1.28	SAIFI	1.11
	Incl	uding MED	
5 YEA	AR AVERAGE	REF	ORTING YEAR
SAIDI	1122.1	SAIDI	110.5
SAIFI	1.73	SAIFI	1.22

#### Notes:

- 1) All duration indices (SAIDI, CAIDI) are to be reported in units of minutes.
- 2) Reports are due on the first business day of April of each year
- 3) Reports cover the calendar year ending in the December before the reports are due.
- 4) IEEE 1366 (latest version) is used to define SAIDI, SAIFI, CAIDI, and TMED

	s	ECTION 5: CIR	CUIT REPORTING
	(CIRCUITS WITH SAIDI A	ND/OR SAIFI E	XCEEDING 5 YEAR AVERAGE)
	(CIRCUIT NUMBERS S	HOULD BE REF	PORTED EXCLUDING MED)
CIRCUIT	# 1-2		
1 SUBSTATIO	ON NAME AND NUMBER	Balltown	
2 SUBSTATIO	ON LOCATION (COUNTY-ROAD-T	OWN)	Nelson-Balltown Road
3 CIRCUIT N	AME AND NUMBER		#2 Culvertown
4 CIRCUIT LO	OCATION (TOWN-ROAD-GENERA	AL AREA)	South New Haven Road
5 TOTAL CIR	CUIT LENGTH		47.7 Miles
6 CUSTOME	R COUNT FOR THIS CIRCUIT		
7 DATE OF L	AST CIRCUIT TRIM (VM)		
	AGE CAUSES FOR CIRCUIT ALONG NUMBERS REPRESENTED BY EAC		NTAGE OF TOTAL Unknown 53%,Equipment 31%, 89
9 CIRCUIT 5	YEAR AVERAGE (SAIDI)		6% Vehicle
10 REPORTIN	G YEAR (SAIDI)		
11 CIRCUIT 5	YEAR AVERAGE (SAIFI)		
12 REPORTIN	IG YEAR (SAIFI)		
13 COORECTI	IVE ACTION PLAN		None

REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR AVERAGE FOR SAIDI AN

	SECTION 5: CI	RCUIT REPORTING	
	(CIRCUITS WITH SAIDI AND/OR SAIFI	EXCEEDING 5 YEAR AVERAGE)	
	(CIRCUIT NUMBERS SHOULD BE R	EPORTED EXCLUDING MED)	
CIRCUIT	# 1-2		
1 SUBSTATI	ON NAME AND NUMBER Balltown		1
2 SUBSTATI	ON LOCATION (COUNTY-ROAD-TOWN)	Nelson-Balltown Road	
3 CIRCUIT N	NAME AND NUMBER	#2 Culvertown	
4 CIRCUIT L	OCATION (TOWN-ROAD-GENERAL AREA)	South New Haven Road	
5 TOTAL CIF	RCUIT LENGTH	47.7 Miles	
6 CUSTOME	ER COUNT FOR THIS CIRCUIT		635
7 DATE OF I	LAST CIRCUIT TRIM (VM)		2012
	AGE CAUSES FOR CIRCUIT ALONG WITH PERC	ENTAGE OF TOTAL	
OUTAGE !	NUMBERS REPRESENTED BY EACH CAUSE	Unknown 53%, Equipment 31%, 8% Trees,	
9 CIRCUIT 5	YEAR AVERAGE (SAIDI)	6% Vehicle	62
10 REPORTIN	IG YEAR (SAIDI)		83.24
11 CIRCUIT 5	YEAR AVERAGE (SAIFI)		0.919
12 REPORTIN	IG YEAR (SAIFI)		0.748
13 COORECT	IVE ACTION PLAN	None	
REPEA <sup>-</sup>	T INFORMATION FOR EACH CIRCUIT EXCEEDII	NG ITS 5 YEAR AVERAGE FOR SAIDI AND/OR SAIFI	

	SECTION 5: CIRCUIT REPORTING		
	(CIRCUITS WITH SAIDI AND/OR SAIFI E	XCEEDING 5 YEAR AVERAGE)	
	(CIRCUIT NUMBERS SHOULD BE REF	PORTED EXCLUDING MED)	
CIRCUIT	#1-4		
1 SUBSTATIO	ON NAME AND NUMBER Balltown		1
2 SUBSTATIO	ON LOCATION (COUNTY-ROAD-TOWN)	Nelson - Balltown Road	
3 CIRCUIT N	AME AND NUMBER	#4 Nat Rogers Road	
4 CIRCUIT L	OCATION (TOWN-ROAD-GENERAL AREA)	Nat Rogers Road	
5 TOTAL CIR	RCUIT LENGTH	35.9 Miles	
6 CUSTOME	R COUNT FOR THIS CIRCUIT		337
7 DATE OF L	AST CIRCUIT TRIM (VM)		2012
	AGE CAUSES FOR CIRCUIT ALONG WITH PERCE	ENTAGE OF TOTAL  Trees 85%,Equipment 11%	
9 CIRCUIT 5	YEAR AVERAGE (SAIDI)		71.86
10 REPORTIN	IG YEAR (SAIDI)		75.63
11 CIRCUIT 5	YEAR AVERAGE (SAIFI)		1.24
12 REPORTIN	IG YEAR (SAIFI)		0.96
13 COORECT	IVE ACTION PLAN	None	

REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR AVERAGE FOR SAIDI AND/OR SAIFI

		EEPORTED EXCLUDING MED)
	RS SHOULD BE R	EPORTED EXCLUDING MED)
CIRCUIT #2-1		
1 SUBSTATION NAME AND NUMBER	Bardsto	wn Shopping Center 2
2 SUBSTATION LOCATION (COUNTY-ROA	AD-TOWN)	Nelson-Bardstown, Court House
3 CIRCUIT NAME AND NUMBER		#1 Heaven Hill
4 CIRCUIT LOCATION (TOWN-ROAD-GEN	IERAL AREA)	Bardstown, Loretto Road
5 TOTAL CIRCUIT LENGTH		23.5 Miles
6 CUSTOMER COUNT FOR THIS CIRCUIT		269
7 DATE OF LAST CIRCUIT TRIM (VM)		2012
8 LIST OUTAGE CAUSES FOR CIRCUIT AL OUTAGE NUMBERS REPRESENTED BY		CENTAGE OF TOTAL Animals 37%, Lightning 29%, Equipment 25%, Trees 8%
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		22.73
10 REPORTING YEAR (SAIDI)		33.51
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.487
12 REPORTING YEAR (SAIFI)		0.435
13 COORECTIVE ACTION PLAN		None

	SEC	TION 5: CIR	CUIT REPORTING	_
	(CIRCUITS WITH SAIDI AND	OR SAIFI E	XCEEDING 5 YEAR AVERAGE)	_
————	(CIRCUIT NUMBERS SHO	OULD BE REF	PORTED EXCLUDING MED)	_
CIRCUIT #3	-1			
1 SUBSTATION N	AME AND NUMBER	Beams		3
2 SUBSTATION L	OCATION (COUNTY-ROAD-TO)	√N)	Bullitt - Hwy 245 - Clermont	
3 CIRCUIT NAME	AND NUMBER		#1 US 245 to Lotus	
4 CIRCUIT LOCAT	TION (TOWN-ROAD-GENERAL A	AREA)	US 245 to Lotus	
5 TOTAL CIRCUIT	LENGTH		9.7 Miles	
6 CUSTOMER CO	OUNT FOR THIS CIRCUIT			41
7 DATE OF LAST	CIRCUIT TRIM (VM)			2013
	CAUSES FOR CIRCUIT ALONG V BERS REPRESENTED BY EACH (		NTAGE OF TOTAL Power Supply 93%	
9 CIRCUIT 5 YEAR	R AVERAGE (SAIDI)			28.84
10 REPORTING YE	AR (SAIDI)			75.85
11 CIRCUIT 5 YEA	R AVERAGE (SAIFI)			1.15
12 REPORTING YE	AR (SAIFI)			1.05
13 COORECTIVE A	CTION PLAN		None	
REDEAT INFO	RMATION FOR FACH CIRCUIT I	EXCEEDING	ITS 5 YEAR AVERAGE FOR SAIDI AI	ND/OR SAIFI

	SECTION 5: C	IRCUIT REPORTING
	(CIRCUITS WITH SAIDI AND/OR SAIFI	EXCEEDING 5 YEAR AVERAGE)
	(CIRCUIT NUMBERS SHOULD BE R	EPORTED EXCLUDING MED)
CIRCUIT	#3-2	
1 SUBSTATIO	ON NAME AND NUMBER Beams	3
2 SUBSTATIO	ON LOCATION (COUNTY-ROAD-TOWN)	Bullitt - US 245 - Clermont
3 CIRCUIT N	AME AND NUMBER	US 245 to I-65
4 CIRCUIT L	OCATION (TOWN-ROAD-GENERAL AREA)	US 245 to I-65
5 TOTAL CIF	RCUIT LENGTH	26.5 Miles
6 CUSTOME	R COUNT FOR THIS CIRCUIT	408
7 DATE OF I	AST CIRCUIT TRIM (VM)	2013
	AGE CAUSES FOR CIRCUIT ALONG WITH PERONUMBERS REPRESENTED BY EACH CAUSE	Power Supply 51%, Contractors 20% Lightning 9%,
9 CIRCUIT 5	YEAR AVERAGE (SAIDI)	Vehicle 8%,Equipment 6%,Animals 6% 45.86
10 REPORTIN	IG YEAR (SAIDI)	168.99
11 CIRCUIT 5	YEAR AVERAGE (SAIFI)	1.2
12 REPORTIN	IG YEAR (SAIFI)	2.25
13 COORECT	IVE ACTION PLAN	None
		G ITS 5 YEAR AVERAGE FOR SAIDI AND/OR SAIFI

	SECTION 5: C	IRCUIT REPORTING	
	(CIRCUITS WITH SAIDI AND/OR SAIF	I EXCEEDING 5 YEAR AVERAGE)	
	(CIRCUIT NUMBERS SHOULD BE F	REPORTED EXCLUDING MED)	
CIRCUIT	#4-1		
1 SUBSTATIO	ON NAME AND NUMBER <u>Bloomfi</u>	eld	4
2 SUBSTATI	ON LOCATION (COUNTY-ROAD-TOWN)	Nelson - Hwy 1066 - Bloomfield	
3 CIRCUIT N	IAME AND NUMBER	#1 Simpson Creek - Fairfield	
4 CIRCUIT L	OCATION (TOWN-ROAD-GENERAL AREA)	Fairfield - Simpson Creek	
5 TOTAL CIF	RCUIT LENGTH	31.6 Miles	
6 CUSTOME	ER COUNT FOR THIS CIRCUIT		196
7 DATE OF I	LAST CIRCUIT TRIM (VM)		2010
	AGE CAUSES FOR CIRCUIT ALONG WITH PER NUMBERS REPRESENTED BY EACH CAUSE	CENTAGE OF TOTAL Equipment 65%,Trees 35%	
9 CIRCUIT 5	YEAR AVERAGE (SAIDI)		188.21
10 REPORTIN	NG YEAR (SAIDI)		135.79
11 CIRCUIT 5	S YEAR AVERAGE (SAIFI)		1.52
12 REPORTIN	NG YEAR (SAIFI)		1.53
13 COORECT	TIVE ACTION PLAN	None	
	INFORMATION FOR EACH CIRCUIT EXCEEDIN		CAIFI

	IRCUIT REPORTING	SECTION 5: C	
	EXCEEDING 5 YEAR AVERAGE)	(CIRCUITS WITH SAIDI AND/OR SAIF	
	EPORTED EXCLUDING MED)	(CIRCUIT NUMBERS SHOULD BE F	
		#4-2	CIRCUIT
4	eld	ON NAME AND NUMBER Bloomfi	1 SUBSTATIC
	Nelson - Hwy 1066 - Bloomfield	ON LOCATION (COUNTY-ROAD-TOWN)	2 SUBSTATIC
	#2 Larwenceburg - Greens Chapel	NAME AND NUMBER	3 CIRCUIT N
el Road	Larwenceburg Road & Greens Chapel Road	OCATION (TOWN-ROAD-GENERAL AREA)	4 CIRCUIT LO
	69.3 Miles	RCUIT LENGTH	5 TOTAL CIR
<b>4</b> 54		ER COUNT FOR THIS CIRCUIT	6 CUSTOME
2013		LAST CIRCUIT TRIM (VM)	7 DATE OF L
	CENTAGE OF TOTAL Animals 93%, Equipment 7%	AGE CAUSES FOR CIRCUIT ALONG WITH PER NUMBERS REPRESENTED BY EACH CAUSE	
76.9		S YEAR AVERAGE (SAIDI)	9 CIRCUIT 5
103.67		NG YEAR (SAIDI)	10 REPORTING
2.02		S YEAR AVERAGE (SAIFI)	11 CIRCUIT 5
1.12		NG YEAR (SAIFI)	12 REPORTING
	None	IVE ACTION PLAN	13 COORECTI

	SECTION 5: C
EXCEEDING 5 YEAR AVERAGE)	(CIRCUITS WITH SAIDI AND/OR SAIF
EPORTED EXCLUDING MED)	(CIRCUIT NUMBERS SHOULD BE F
	CIRCUIT # 4 -5
eld	1 SUBSTATION NAME AND NUMBER Bloomfi
Nelson - Hwy 1066 - Bloomfield	2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
#5 Springfield - Campground Road	3 CIRCUIT NAME AND NUMBER
Springfield Road & Campground Road	4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
39.9 Miles	5 TOTAL CIRCUIT LENGTH
	6 CUSTOMER COUNT FOR THIS CIRCUIT
	7 DATE OF LAST CIRCUIT TRIM (VM)
CENTAGE OF TOTAL Trees 75%,Equipment 14%, Ice 5%	8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PER OUTAGE NUMBERS REPRESENTED BY EACH CAUSE
	9 CIRCUIT 5 YEAR AVERAGE (SAIDI)
	10 REPORTING YEAR (SAIDI)
	11 CIRCUIT 5 YEAR AVERAGE (SAIFI)
	12 REPORTING YEAR (SAIFI)
None	13 COORECTIVE ACTION PLAN
	REPORTED EXCLUDING MED)  eld  Nelson - Hwy 1066 - Bloomfield  #5 Springfield - Campground Road  Springfield Road & Campground Road  39.9 Miles  CENTAGE OF TOTAL  Trees 75%, Equipment 14%, Ice 5%

	RCUIT REPORTING	SECTION 5: CI	
	EXCEEDING 5 YEAR AVERAGE)	(CIRCUITS WITH SAIDI AND/OR SAIFI	
	EPORTED EXCLUDING MED)	(CIRCUIT NUMBERS SHOULD BE R	
		#6-2	CIRCUIT
6		TATION NAME AND NUMBER Brooks	1 SUBSTATIO
	Bullitt - Coral Springs - Brooks	TATION LOCATION (COUNTY-ROAD-TOWN)	2 SUBSTATIO
	#2 Brooks Hill Road - Brooks Station	JIT NAME AND NUMBER	3 CIRCUIT NA
	Brooks Hill Road - Brooks Station	JIT LOCATION (TOWN-ROAD-GENERAL AREA)	4 CIRCUIT LO
	32.7 Miles	L CIRCUIT LENGTH	5 TOTAL CIRC
832		OMER COUNT FOR THIS CIRCUIT	6 CUSTOMER
2013		OF LAST CIRCUIT TRIM (VM)	7 DATE OF LA
	Trees 61%, Unknown 16%, Animals 9%	OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERC GE NUMBERS REPRESENTED BY EACH CAUSE	
65.78	Equipment 7%	JIT 5 YEAR AVERAGE (SAIDI)	9 CIRCUIT 5
96.37		RTING YEAR (SAIDI)	10 REPORTING
1.91		JIT 5 YEAR AVERAGE (SAIFI)	11 CIRCUIT 5
1.39		RTING YEAR (SAIFI)	12 REPORTING
	None	RECTIVE ACTION PLAN	13 COORECTIV

SECTION 5: CI	CUIT REPORTING
(CIRCUITS WITH SAIDI AND/OR SAIFI	XCEEDING 5 YEAR AVERAGE)
(CIRCUIT NUMBERS SHOULD BE RE	PORTED EXCLUDING MED)
CIRCUIT # 6 - 3	
1 SUBSTATION NAME AND NUMBER Brooks	6
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - Coral Ridge Road - Brooks
3 CIRCUIT NAME AND NUMBER	#3 Bullitt County Stone
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Bullitt County Stone area
5 TOTAL CIRCUIT LENGTH	13.8 Miles
6 CUSTOMER COUNT FOR THIS CIRCUIT	337
7 DATE OF LAST CIRCUIT TRIM (VM)	2013
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERC OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	ENTAGE OF TOTAL Trees 65%, Contractors 35%
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	17.29
10 REPORTING YEAR (SAIDI)	37.12
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	1,13
12 REPORTING YEAR (SAIFI)	0.6
13 COORECTIVE ACTION PLAN	None
	37.12 1.13

SECTION 5: CI	IRCUIT REPORTING
(CIRCUITS WITH SAIDI AND/OR SAIFI	EXCEEDING 5 YEAR AVERAGE)
(CIRCUIT NUMBERS SHOULD BE R	EPORTED EXCLUDING MED)
CIRCUIT # 6 - 6	
1 SUBSTATION NAME AND NUMBER Brooks	6
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - Coral Ridge Road - Brooks
3 CIRCUIT NAME AND NUMBER	#6 Pryor Valley
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Pryor Valley
5 TOTAL CIRCUIT LENGTH	30.2 Miles
6 CUSTOMER COUNT FOR THIS CIRCUIT	606
7 DATE OF LAST CIRCUIT TRIM (VM)	2013
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCOUTAGE NUMBERS REPRESENTED BY EACH CAUSE	CENTAGE OF TOTAL  Trees 61%, Equipment 24%, Lightning 12%
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	84.51
10 REPORTING YEAR (SAIDI)	214.95
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.62
12 REPORTING YEAR (SAIFI)	2.06
13 COORECTIVE ACTION PLAN	None
REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDIN	IG ITS 5 YEAR AVERAGE FOR SAIDI AND/OR SAIFI

	(CIRCUITS WITH SAIDI AND/OR SAIF
PEDOPTED EVOLUDING MED)	
REPORTED EXCLODING MED	(CIRCUIT NUMBERS SHOULD BE
	IT <u>#7 - 1</u>
dstown	JBSTATION NAME AND NUMBER East Ba
Nelson - US 62 - Bardstown	JBSTATION LOCATION (COUNTY-ROAD-TOWN)
#1 Bloomfield Road to Eastlan	RCUIT NAME AND NUMBER
Bardstown - Eastland	RCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
6.1 Miles	OTAL CIRCUIT LENGTH
	USTOMER COUNT FOR THIS CIRCUIT
	ATE OF LAST CIRCUIT TRIM (VM)
CENTAGE OF TOTAL Lightning 84%, Unknown 12%	IST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PER UTAGE NUMBERS REPRESENTED BY EACH CAUSE
	RCUIT 5 YEAR AVERAGE (SAIDI)
	EPORTING YEAR (SAIDI)
	RCUIT 5 YEAR AVERAGE (SAIFI)
	EPORTING YEAR (SAIFI)
None	OORECTIVE ACTION PLAN
lan	#1 Bloomfield Road to East  Bardstown - Eastland  6.1 Miles  CENTAGE OF TOTAL  Lightning 84%, Unknown 12

EXCEEDING 5 YEAR AVERAGE)	4	
	(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)	
REPORTED EXCLUDING MED)	(CIRCUIT NUMBERS SHOULD BE	
	CIRCUIT # 7 - 2	
rdstown	1 SUBSTATION NAME AND NUMBER East B	
Nelson - US 62 - Bardstown	2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	
#2 Caney Fork - Plum Run	3 CIRCUIT NAME AND NUMBER	
Bardstown - Caney Fork & Plum Ru	4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	
46.3 Miles	5 TOTAL CIRCUIT LENGTH	
	6 CUSTOMER COUNT FOR THIS CIRCUIT	
	7 DATE OF LAST CIRCUIT TRIM (VM)	
CENTAGE OF TOTAL Equipment 53%, Vehicle 37%, Tree	8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PI OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	
	9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	
	10 REPORTING YEAR (SAIDI)	
	11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	
	12 REPORTING YEAR (SAIFI)	
None	13 COORECTIVE ACTION PLAN	
	#2 Caney Fork - Plum Run  Bardstown - Caney Fork & Plu  46.3 Miles  ERCENTAGE OF TOTAL  Equipment 53%, Vehicle 37%,	

	SECTION 5: CI	RCUIT REPORTING	
	(CIRCUITS WITH SAIDI AND/OR SAIFI	EXCEEDING 5 YEAR AVERAGE)	
	(CIRCUIT NUMBERS SHOULD BE R	EPORTED EXCLUDING MED)	
CIRCUIT	#7-5		
1 SUBSTATIO	ON NAME AND NUMBER East Bard	istown	7
2 SUBSTATIO	ON LOCATION (COUNTY-ROAD-TOWN)	Nelson - US 62 - Bardstown	
3 CIRCUIT N	AME AND NUMBER	#5 Quarry	
4 CIRCUIT LO	OCATION (TOWN-ROAD-GENERAL AREA)	Bardstown - US 245	
5 TOTAL CIR	CUIT LENGTH	2.2 Miles	
6 CUSTOME	R COUNT FOR THIS CIRCUIT		23
7 DATE OF L	AST CIRCUIT TRIM (VM)		2013
	AGE CAUSES FOR CIRCUIT ALONG WITH PERC NUMBERS REPRESENTED BY EACH CAUSE	CENTAGE OF TOTAL Animals 50%, Unknown 50%	
9 CIRCUIT 5	YEAR AVERAGE (SAIDI)		2.65
10 REPORTIN	IG YEAR (SAIDI)		8.09
11 CIRCUIT 5	YEAR AVERAGE (SAIFI)		0.04
12 REPORTIN	IG YEAR (SAIFI)		0.09
13 COORECT	IVE ACTION PLAN	None	

REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR AVERAGE FOR SAIDI AND/OR SAIFI

	EXCEEDING 5 YEAR AVERAGE)	(CIRCUITS WITH SAIDI AND/OR SAI
•	REPORTED EXCLUDING MED)	(CIRCUIT NUMBERS SHOULD BE
		CIRCUIT #8-1
8	Hill	1 SUBSTATION NAME AND NUMBER Gospel
	Bullitt - Hwy 44	2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
	#1 Yorkshire	3 CIRCUIT NAME AND NUMBER
	Yorkshire	4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
	11.4 Miles	5 TOTAL CIRCUIT LENGTH
221		6 CUSTOMER COUNT FOR THIS CIRCUIT
2013		7 DATE OF LAST CIRCUIT TRIM (VM)
	CENTAGE OF TOTAL  Trees 99%	8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PE OUTAGE NUMBERS REPRESENTED BY EACH CAUSE
35.54		9 CIRCUIT 5 YEAR AVERAGE (SAIDI)
44.16		10 REPORTING YEAR (SAIDI)
0.96		11 CIRCUIT 5 YEAR AVERAGE (SAIFI)
0.34		12 REPORTING YEAR (SAIFI)
<u>, </u>	None	13 COORECTIVE ACTION PLAN

	RCUIT REPORTING	SECTION 5: C	
	(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)		
	EPORTED EXCLUDING MED)	(CIRCUIT NUMBERS SHOULD BE	
		T #11-2	CIRCUIT
11	rove	BSTATION NAME AND NUMBER Cedar G	1 SUBSTATI
	Bullitt - US 480	BSTATION LOCATION (COUNTY-ROAD-TOWN)	2 SUBSTATI
	#2 Ridge Road	RCUIT NAME AND NUMBER	3 CIRCUIT N
	Ridge Road	RCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	4 CIRCUIT L
· · · · · · · · · · · · · · · · · · ·	27.1 Miles	OTAL CIRCUIT LENGTH	5 TOTAL CII
283		STOMER COUNT FOR THIS CIRCUIT	6 CUSTOMI
2011		ATE OF LAST CIRCUIT TRIM (VM)	7 DATE OF
	CENTAGE OF TOTAL Trees 88%, Animals 12%	ST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PEF JTAGE NUMBERS REPRESENTED BY EACH CAUSE	
80.84		RCUIT 5 YEAR AVERAGE (SAIDI)	9 CIRCUIT 5
92.33	<del></del>	PORTING YEAR (SAIDI)	10 REPORTIN
4.55	<del></del>	RCUIT 5 YEAR AVERAGE (SAIFI)	11 CIRCUIT S
0.569		PORTING YEAR (SAIFI)	12 REPORTII
	None	DORECTIVE ACTION PLAN	13 COORECT

REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR AVERAGE FOR SAIDI AND/OR SAIFI

	SECTION 5: C	IRCUIT REPORTING	
	(CIRCUITS WITH SAIDI AND/OR SAIF	EXCEEDING 5 YEAR AVERAGE)	
	(CIRCUIT NUMBERS SHOULD BE R	EPORTED EXCLUDING MED)	
CIRCUIT	#11-3		
1 SUBSTATIO	ON NAME AND NUMBER Cedar G	rove	11
2 SUBSTATIO	ON LOCATION (COUNTY-ROAD-TOWN)	Bullitt - US 480	
3 CIRCUIT N	AME AND NUMBER	#3 US 480 East to Hwy 48	
4 CIRCUIT LO	OCATION (TOWN-ROAD-GENERAL AREA)	US 480 East to Hwy 48	
5 TOTAL CIR	CUIT LENGTH	44 Miles	
6 CUSTOME	R COUNT FOR THIS CIRCUIT		519
7 DATE OF L	AST CIRCUIT TRIM (VM)		2011
	AGE CAUSES FOR CIRCUIT ALONG WITH PERI IUMBERS REPRESENTED BY EACH CAUSE	CENTAGE OF TOTAL  Trees 48%,Equipment 41%, Public 11%	<del>-</del>
9 CIRCUIT 5	YEAR AVERAGE (SAIDI)		26.21
10 REPORTIN	G YEAR (SAIDI)		54.99
11 CIRCUIT 5	YEAR AVERAGE (SAIFI)		1.8
12 REPORTIN	G YEAR (SAIFI)		0.45
13 COORECTI	VE ACTION PLAN	Circuit is being partially rebuilt in 2014	

	SECTION 5: CI	RCUIT REPORTING	
(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)			
	(CIRCUIT NUMBERS SHOULD BE RI	EPORTED EXCLUDING MED)	
CIRCUIT	#12-1		
1 SUBSTATIO	ON NAME AND NUMBER Mt. Was	nington	12
2 SUBSTATIO	ON LOCATION (COUNTY-ROAD-TOWN)	Bullitt - Hwy 44 - Mt. Washington	
3 CIRCUIT N	AME AND NUMBER	#1 Hwy 44E to Bullitt East	
4 CIRCUIT LO	DCATION (TOWN-ROAD-GENERAL AREA)	Mt. Washington - Hwy 44 E	
5 TOTAL CIR	CUIT LENGTH	20.2 Miles	
6 CUSTOME	R COUNT FOR THIS CIRCUIT		999
7 DATE OF L	AST CIRCUIT TRIM (VM)		2011
	AGE CAUSES FOR CIRCUIT ALONG WITH PERC IUMBERS REPRESENTED BY EACH CAUSE	ENTAGE OF TOTAL Trees 73%, Lightning 20%	
9 CIRCUIT 5	YEAR AVERAGE (SAIDI)		18.7
10 REPORTIN	G YEAR (SAIDI)		20.09
11 CIRCUIT 5	YEAR AVERAGE (SAIFI)		0.79
12 REPORTIN	G YEAR (SAIFI)		0.25
13 COORECTI	VE ACTION PLAN	None	<u> </u>

REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR AVERAGE FOR SAIDI AND/OR SAIFI

	SECTION 5: C	IRCUIT REPORTING
	(CIRCUITS WITH SAIDI AND/OR SAIF	I EXCEEDING 5 YEAR AVERAGE)
	(CIRCUIT NUMBERS SHOULD BE F	REPORTED EXCLUDING MED)
CIRCUIT	#13-1	
1 SUBSTATI	ON NAME AND NUMBER North S	pringfield13
2 SUBSTATI	ON LOCATION (COUNTY-ROAD-TOWN)	Washington - Hwy 555 - Springfield
3 CIRCUIT N	NAME AND NUMBER	#1 Mackville - Springfield Road
4 CIRCUIT L	OCATION (TOWN-ROAD-GENERAL AREA)	Mackville area
5 TOTAL CI	RCUIT LENGTH	93.9 Miles
6 CUSTOMI	ER COUNT FOR THIS CIRCUIT	628
7 DATE OF	LAST CIRCUIT TRIM (VM)	2012
	AGE CAUSES FOR CIRCUIT ALONG WITH PER NUMBERS REPRESENTED BY EACH CAUSE	CENTAGE OF TOTAL Equipment 82%, Unknown 9%
9 CIRCUIT 5	S YEAR AVERAGE (SAIDI)	178.49
10 REPORTIN	NG YEAR (SAIDI)	350.85
11 CIRCUIT 5	S YEAR AVERAGE (SAIFI)	2.03
12 REPORTIN	NG YEAR (SAIFI)	4,22
13 COORECT	TIVE ACTION PLAN	Circuit is being partially rebuilt in 2014

REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR AVERAGE FOR SAIDI AND/OR SAIFI

SECTION 5: C	IRCUIT REPORTING	
(CIRCUITS WITH SAIDI AND/OR SAIF	I EXCEEDING 5 YEAR AVERAGE)	
(CIRCUIT NUMBERS SHOULD BE F	REPORTED EXCLUDING MED)	
# 13 - 4		
ON NAME AND NUMBER North S	pringfield	13
ON LOCATION (COUNTY-ROAD-TOWN)	Washington - Hwy 555 - Springfield	
AME AND NUMBER	#4 Lincoln Park Road	
OCATION (TOWN-ROAD-GENERAL AREA)	Lincoln Park Road	
CUIT LENGTH	24.2 Miles	
R COUNT FOR THIS CIRCUIT		251
AST CIRCUIT TRIM (VM)		2012
	CENTAGE OF TOTAL Equipment 94%	
YEAR AVERAGE (SAIDI)		35.44
G YEAR (SAIDI)		59.9
YEAR AVERAGE (SAIFI)		1.15
G YEAR (SAIFI)		0.96
VE ACTION PLAN	None	
	(CIRCUITS WITH SAIDI AND/OR SAIF  (CIRCUIT NUMBERS SHOULD BE F  # 13 - 4  ON NAME AND NUMBER  ON LOCATION (COUNTY-ROAD-TOWN)  AME AND NUMBER  OCATION (TOWN-ROAD-GENERAL AREA)  CUIT LENGTH  R COUNT FOR THIS CIRCUIT  AST CIRCUIT TRIM (VM)	NON NAME AND NUMBER  NON LOCATION (COUNTY-ROAD-TOWN)  Mashington - Hwy 555 - Springfield  MAME AND NUMBER  #4 Lincoln Park Road  DOCATION (TOWN-ROAD-GENERAL AREA)  Lincoln Park Road  CUIT LENGTH  24.2 Miles  R COUNT FOR THIS CIRCUIT  AST CIRCUIT TRIM (VM)  GGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL  LUMBERS REPRESENTED BY EACH CAUSE  YEAR AVERAGE (SAIDI)  G YEAR (SAIDI)  YEAR AVERAGE (SAIFI)  G YEAR (SAIFI)

	SECTION 5: 0	CIRCUIT REPORTING
	(CIRCUITS WITH SAIDI AND/OR SAIF	ELEXCEEDING 5 YEAR AVERAGE)
	(CIRCUIT NUMBERS SHOULD BE I	REPORTED EXCLUDING MED)
CIRCUIT	# 14 - 2	
1 SUBSTAT	TON NAME AND NUMBER Pleasan	t Grove14
2 SUBSTAT	TION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - Hwy 44 - Mt. Washington
3 CIRCUIT	NAME AND NUMBER	#2 Zoneton
4 CIRCUIT	LOCATION (TOWN-ROAD-GENERAL AREA)	Zoneton area
5 TOTAL CI	RCUIT LENGTH	27.3 Miles
6 CUSTOM	ER COUNT FOR THIS CIRCUIT	725
7 DATE OF	LAST CIRCUIT TRIM (VM)	2011
	TAGE CAUSES FOR CIRCUIT ALONG WITH PER NUMBERS REPRESENTED BY EACH CAUSE	RCENTAGE OF TOTAL Animals 75%, Unknown 20%, Trees 5%
9 CIRCUIT	5 YEAR AVERAGE (SAIDI)	28.95
10 REPORTI	NG YEAR (SAIDI)	76.77
11 CIRCUIT	5 YEAR AVERAGE (SAIFI)	0.75
12 REPORTI	NG YEAR (SAIFI)	1.22
13 COOREC	TIVE ACTION PLAN	Substation will be rebuilt in 2016
		Substation will be rebuilt in 2016  NG ITS 5 YEAR AVERAGE FOR SAIDI AND/OR SAIFI

SECTION 5: CI	IRCUIT REPORTING
(CIRCUITS WITH SAIDI AND/OR SAIFI	EXCEEDING 5 YEAR AVERAGE)
(CIRCUIT NUMBERS SHOULD BE R	EPORTED EXCLUDING MED)
CIRCUIT # 14 - 4	
1 SUBSTATION NAME AND NUMBER Pleasant	: Grove14
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - Hwy 44 - Mt. Washington
3 CIRCUIT NAME AND NUMBER	#4 Bogard Lane
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Bogard Lane
5 TOTAL CIRCUIT LENGTH	11.7 Miles
6 CUSTOMER COUNT FOR THIS CIRCUIT	316
7 DATE OF LAST CIRCUIT TRIM (VM)	2011
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PER- OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	CENTAGE OF TOTAL Power Supply 78%, Vehicle 22%
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	22.77
10 REPORTING YEAR (SAIDI)	15.25
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.83
12 REPORTING YEAR (SAIFI)	0.95
13 COORECTIVE ACTION PLAN	Substation will be rebuilt in 2016
REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDIN	IG ITS 5 YEAR AVERAGE FOR SAIDI AND/OR SAIFI

	SECTION 5:	
I EXCEEDING 5 YEAR AVERAGE)	(CIRCUITS WITH SAIDI AND/OR SAII	
REPORTED EXCLUDING MED)	(CIRCUIT NUMBERS SHOULD BE	
	# 15 - 3	CIRCUIT
dsville	TION NAME AND NUMBER Shephe	1 SUBSTATIC
Bullitt - US 61 - Shepherdsville	TION LOCATION (COUNTY-ROAD-TOWN)	2 SUBSTATIC
#3 US 61 Belmont	NAME AND NUMBER	3 CIRCUIT NA
Shepherdsville - US 61 Belmont	LOCATION (TOWN-ROAD-GENERAL AREA)	4 CIRCUIT LC
49.6 Miles	CIRCUIT LENGTH	5 TOTAL CIRC
	MER COUNT FOR THIS CIRCUIT	6 CUSTOMER
	F LAST CIRCUIT TRIM (VM)	7 DATE OF L
CENTAGE OF TOTAL  Trees 47%, Equipment 37%, Po	JTAGE CAUSES FOR CIRCUIT ALONG WITH PEF E NUMBERS REPRESENTED BY EACH CAUSE	
- 11	5 YEAR AVERAGE (SAIDI)	9 CIRCUIT 5
	ING YEAR (SAIDI)	10 REPORTING
	5 YEAR AVERAGE (SAIFI)	11 CIRCUIT 5
	ING YEAR (SAIFI)	12 REPORTING
None	CTIVE ACTION PLAN	13 COORECTIV
nt	rdsville  Bullitt - US 61 - Shepherdsville  #3 US 61 Belmont  Shepherdsville - US 61 Belmont  49.6 Miles  RCENTAGE OF TOTAL  Trees 47%, Equipment 37%, P	ON NAME AND NUMBER  Shepherdsville  ON LOCATION (COUNTY-ROAD-TOWN)  Bullitt - US 61 - Shepherdsville  AME AND NUMBER  #3 US 61 Belmont  OCATION (TOWN-ROAD-GENERAL AREA)  Shepherdsville - US 61 Belmont  CUIT LENGTH  49.6 Miles  R COUNT FOR THIS CIRCUIT  AST CIRCUIT TRIM (VM)  GE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL  UMBERS REPRESENTED BY EACH CAUSE  YEAR AVERAGE (SAIDI)  G YEAR (SAIDI)  YEAR AVERAGE (SAIFI)  G YEAR (SAIFI)

SECTION 5: C	CIRCUIT REPORTING
(CIRCUITS WITH SAIDI AND/OR SAIF	I EXCEEDING 5 YEAR AVERAGE)
(CIRCUIT NUMBERS SHOULD BE R	REPORTED EXCLUDING MED)
CIRCUIT # 15 - 5	
1 SUBSTATION NAME AND NUMBER Shepher	rdsville15
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt - US 61 - Shepherdsville
3 CIRCUIT NAME AND NUMBER	#5 Blue Lick Road
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Shepherdsivlle - Blue Lick Road
5 TOTAL CIRCUIT LENGTH	26.8 Miles
6 CUSTOMER COUNT FOR THIS CIRCUIT	1422
7 DATE OF LAST CIRCUIT TRIM (VM)	2013
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PER OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	CENTAGE OF TOTAL Equipment 54%, Power Supply 44%
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	93.82
10 REPORTING YEAR (SAIDI)	141.33
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.09
12 REPORTING YEAR (SAIFI)	1.93
13 COORECTIVE ACTION PLAN	None
REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDIN	IG ITS 5 YEAR AVERAGE FOR SAIDI AND/OR SAIFI

	SECTION 5: CI	RCUIT REPORTING	
	(CIRCUITS WITH SAIDI AND/OR SAIFI	EXCEEDING 5 YEAR AVERAGE)	
	(CIRCUIT NUMBERS SHOULD BE R	EPORTED EXCLUDING MED)	
CIRCUIT	# 15 - 6		
1 SUBSTATIO	ON NAME AND NUMBER Shepher	dsville	15
2 SUBSTATIO	ON LOCATION (COUNTY-ROAD-TOWN)	Bullitt - US 61 - Shepherdsville	
3 CIRCUIT N	AME AND NUMBER	#6 Beech Grove Road	
4 CIRCUIT LO	DCATION (TOWN-ROAD-GENERAL AREA)	Shepherdsville - Beech Grove Road	
5 TOTAL CIR	CUIT LENGTH	19.3 Miles	·
6 CUSTOME	R COUNT FOR THIS CIRCUIT		1134
7 DATE OF L	AST CIRCUIT TRIM (VM)		2013
	AGE CAUSES FOR CIRCUIT ALONG WITH PERG IUMBERS REPRESENTED BY EACH CAUSE	CENTAGE OF TOTAL Power Supply 99%	
9 CIRCUIT 5	YEAR AVERAGE (SAIDI)		74.51
10 REPORTIN	G YEAR (SAIDI)		145.32
11 CIRCUIT 5	YEAR AVERAGE (SAIFI)		1.28
12 REPORTIN	G YEAR (SAIFI)		1.95
13 COORECTI	VE ACTION PLAN	None	
DEDEAT I	NFORMATION FOR EACH CIRCUIT EXCEEDIN	G ITS 5 YEAR AVERAGE FOR SAID! AND/O	R SAIFI

SECTION 5: C	CIRCUIT REPORTING
(CIRCUITS WITH SAIDI AND/OR SAIF	EXCEEDING 5 YEAR AVERAGE)
(CIRCUIT NUMBERS SHOULD BE F	REPORTED EXCLUDING MED)
CIRCUIT # 16 - 1	
1 SUBSTATION NAME AND NUMBER South S	pringfield 16
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Washington - St. Rose Lebanon Road - Springfield
3 CIRCUIT NAME AND NUMBER	#1 US 150 Bloomfield Road
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Springfield - US 150
5 TOTAL CIRCUIT LENGTH	26.7 Miles
6 CUSTOMER COUNT FOR THIS CIRCUIT	227
7 DATE OF LAST CIRCUIT TRIM (VM)	2011
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PER OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	CENTAGE OF TOTAL Equipment 44%, Lightning 32%, Public 22%
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	82.78
10 REPORTING YEAR (SAIDI)	231.82
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.38
12 REPORTING YEAR (SAIFI)	2.3
13 COORECTIVE ACTION PLAN	None
REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDIN	IG ITS 5 YEAR AVERAGE FOR SAIDI AND/OR SAIFI

SECTION 5: C	IRCUIT REPORTING
(CIRCUITS WITH SAIDI AND/OR SAIF	I EXCEEDING 5 YEAR AVERAGE)
(CIRCUIT NUMBERS SHOULD BE R	REPORTED EXCLUDING MED)
CIRCUIT # 16 - 2	
1 SUBSTATION NAME AND NUMBER South Sp	pringfield 16
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Washington - St. Rose Lebanon Road - Springfield
3 CIRCUIT NAME AND NUMBER	#2 Perryville Road
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Springfield - Perryville Road
5 TOTAL CIRCUIT LENGTH	54.2 Miles
6 CUSTOMER COUNT FOR THIS CIRCUIT	478
7 DATE OF LAST CIRCUIT TRIM (VM)	2011
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PER OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	CENTAGE OF TOTAL  Trees 64%, Equipment 19%, Lightning 11%
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	48.79
10 REPORTING YEAR (SAIDI)	29.21
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.87
12 REPORTING YEAR (SAIFI)	0.3
13 COORECTIVE ACTION PLAN	None
REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING	NG ITS 5 YEAR AVERAGE FOR SAIDI AND/OR SAIFI

	SECTION 5: CIRCUIT REPORTING
(CIRCUITS WITH SAID)	AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)
(CIRCUIT NUMBERS	SHOULD BE REPORTED EXCLUDING MED)
CIRCUIT #17 - 2	
1 SUBSTATION NAME AND NUMBER	Taylorsville 17
2 SUBSTATION LOCATION (COUNTY-ROAD-	TOWN) Spencer - Hwy 44 - Taylorsville
3 CIRCUIT NAME AND NUMBER	#2 Lilly Pike to Hwy 48
4 CIRCUIT LOCATION (TOWN-ROAD-GENER	RAL AREA) Lilly Pike to Hwy 48
5 TOTAL CIRCUIT LENGTH	16.5 Miles
6 CUSTOMER COUNT FOR THIS CIRCUIT	139
7 DATE OF LAST CIRCUIT TRIM (VM)	2013
8 LIST OUTAGE CAUSES FOR CIRCUIT ALOI OUTAGE NUMBERS REPRESENTED BY EA	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	38.15
10 REPORTING YEAR (SAIDI)	117.74
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.28
12 REPORTING YEAR (SAIFI)	2.09
13 COORECTIVE ACTION PLAN	None
REPEAT INFORMATION FOR EACH CIRC	UIT EXCEEDING ITS 5 YEAR AVERAGE FOR SAIDI AND/OR SAIFI

SECTION	5: CIRCUIT REPORTING
(CIRCUITS WITH SAIDI AND/OR	SAIFI EXCEEDING 5 YEAR AVERAGE)
(CIRCUIT NUMBERS SHOULD	BE REPORTED EXCLUDING MED)
CIRCUIT #17-3	
1 SUBSTATION NAME AND NUMBER Tay	vlorsville 17
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Spencer - Hwy 44 - Taylorsville
3 CIRCUIT NAME AND NUMBER	# 3 Hwy 44 to Waterford
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA	A) Hwy 44 to Waterford
5 TOTAL CIRCUIT LENGTH	70.8 Miles
6 CUSTOMER COUNT FOR THIS CIRCUIT	805
7 DATE OF LAST CIRCUIT TRIM (VM)	2013
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH OUTAGE NUMBERS REPRESENTED BY EACH CAUS	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	8.04
10 REPORTING YEAR (SAIDI)	7.81
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.62
12 REPORTING YEAR (SAIFI)	2.01
13 COORECTIVE ACTION PLAN	None
REPEAT INFORMATION FOR EACH CIRCUIT EXCE	EEDING ITS 5 YEAR AVERAGE FOR SAIDI AND/OR SAIFI

	SECTION 5: CII	RCUIT REPORTING	
	(CIRCUITS WITH SAIDI AND/OR SAIFI	EXCEEDING 5 YEAR AVERAGE)	
	(CIRCUIT NUMBERS SHOULD BE RE	EPORTED EXCLUDING MED)	
CIRCUIT	# 17 - 4		
1 SUBSTATIO	ON NAME AND NUMBER <u>Taylorsvi</u>	lle	17
2 SUBSTATIO	ON LOCATION (COUNTY-ROAD-TOWN)	Spencer - Hwy 44 - Taylorsville	
3 CIRCUIT N	AME AND NUMBER	#4 Little Mount - Brashears Road	
4 CIRCUIT LO	OCATION (TOWN-ROAD-GENERAL AREA)	Taylorsville toward Little Mount	
5 TOTAL CIR	CUIT LENGTH	39.2 Miles	
6 CUSTOME	R COUNT FOR THIS CIRCUIT		805
7 DATE OF L	AST CIRCUIT TRIM (VM)		2013
	AGE CAUSES FOR CIRCUIT ALONG WITH PERC NUMBERS REPRESENTED BY EACH CAUSE	ENTAGE OF TOTAL Trees 98%	
9 CIRCUIT 5	YEAR AVERAGE (SAIDI)		48.78
10 REPORTIN	G YEAR (SAIDI)		160.37
11 CIRCUIT 5	YEAR AVERAGE (SAIFI)		1.23
12 REPORTIN	G YEAR (SAIFI)		3.13
13 COORECT	IVE ACTION PLAN	None	

REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR AVERAGE FOR SAIDI AND/OR SAIFI

	IRCUIT REPORTING	SECTION 5:
	EXCEEDING 5 YEAR AVERAGE)	(CIRCUITS WITH SAIDI AND/OR SAI
	EPORTED EXCLUDING MED)	(CIRCUIT NUMBERS SHOULD BE
		# 18 - 1
18	rdstown	BSTATION NAME AND NUMBER West B
	Nelson-US 245-Bardstown	SSTATION LOCATION (COUNTY-ROAD-TOWN)
<u> </u>	#1 US 245 to Hospital	CUIT NAME AND NUMBER
	Bardstown-US 245	CUIT LOCATION (TOWN-ROAD-GENERAL AREA)
	22 Miles	TAL CIRCUIT LENGTH
728		STOMER COUNT FOR THIS CIRCUIT
2010		TE OF LAST CIRCUIT TRIM (VM)
6	CENTAGE OF TOTAL  Trees 71%, Lightning 19%, Animals 5%	T OUTAGE CAUSES FOR CIRCUIT ALONG WITH PE TAGE NUMBERS REPRESENTED BY EACH CAUSE
29.66	· · · · · · · · · · · · · · · · · · ·	CUIT 5 YEAR AVERAGE (SAIDI)
54.13		PORTING YEAR (SAIDI)
0.73		CUIT 5 YEAR AVERAGE (SAIFI)
0.73		PORTING YEAR (SAIFI)
	None	ORECTIVE ACTION PLAN

	SECTION 5: C	CIRCUIT REPORTING	•
(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)			
(CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)			
CIRCUIT	# 18 - 2		
1 SUBSTATI	ON NAME AND NUMBER West Ba	ardstown	18
2 SUBSTATI	ION LOCATION (COUNTY-ROAD-TOWN)	Nelson-US 245-Bardstown	
3 CIRCUIT N	NAME AND NUMBER	#2 Nazareth Road	A 1-2-
4 CIRCUIT L	OCATION (TOWN-ROAD-GENERAL AREA)	Bardstown - Nazareth Road	
5 TOTAL CII	RCUIT LENGTH	16.6 Miles	
6 CUSTOMI	ER COUNT FOR THIS CIRCUIT		422
7 DATE OF	LAST CIRCUIT TRIM (VM)	-	2010
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL OUTAGE NUMBERS REPRESENTED BY EACH CAUSE Trees 94%			
9 CIRCUIT 5	5 YEAR AVERAGE (SAIDI)		21.65
10 REPORTIN	NG YEAR (SAIDI)		72.47
11 CIRCUIT 5	5 YEAR AVERAGE (SAIFI)		0.89
12 REPORTIN	NG YEAR (SAIFI)		1.15
13 COORECT	TIVE ACTION PLAN	None	- Live

REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDING ITS 5 YEAR AVERAGE FOR SAIDI AND/OR SAIFI

	IRCUIT REPORTING	SECTION 5: C						
	EXCEEDING 5 YEAR AVERAGE)	(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)						
	EPORTED EXCLUDING MED)	(CIRCUIT NUMBERS SHOULD BE I						
		RCUIT # 18 - 5						
18	rdstown	1 SUBSTATION NAME AND NUMBER West Ba						
	Nelson-US 245-Bardstown	2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)						
	# 5 US 62 Boston Road	3 CIRCUIT NAME AND NUMBER						
	US 62 Boston Road	4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)						
	60.1 Miles	5 TOTAL CIRCUIT LENGTH						
597		6 CUSTOMER COUNT FOR THIS CIRCUIT						
2010		7 DATE OF LAST CIRCUIT TRIM (VM)						
	CENTAGE OF TOTAL Lightning 81%, Trees 14%	8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PER OUTAGE NUMBERS REPRESENTED BY EACH CAUSE						
14.58		9 CIRCUIT 5 YEAR AVERAGE (SAIDI)						
21.44		O REPORTING YEAR (SAIDI)						
0.47		11 CIRCUIT 5 YEAR AVERAGE (SAIFI)						
0.25		2 REPORTING YEAR (SAIFI)						
	None	13 COORECTIVE ACTION PLAN						

SECTION 5: C	CIRCUIT REPORTING	
(CIRCUITS WITH SAIDI AND/OR SAIF	EXCEEDING 5 YEAR AVERAGE)	
(CIRCUIT NUMBERS SHOULD BE F	REPORTED EXCLUDING MED)	
CIRCUIT # 19 - 2		
1 SUBSTATION NAME AND NUMBER Woosle	y1	9
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Nelson-Bellwood Road-Boston	
3 CIRCUIT NAME AND NUMBER	#2 Sawmill	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Sawmill	
5 TOTAL CIRCUIT LENGTH	.3 Miles	
6 CUSTOMER COUNT FOR THIS CIRCUIT		5
7 DATE OF LAST CIRCUIT TRIM (VM)	201	3
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PER OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	RCENTAGE OF TOTAL Power Supply 99%	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	27.3	8
10 REPORTING YEAR (SAIDI)	98.	.4
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.2	9
12 REPORTING YEAR (SAIFI)	0	.8
13 COORECTIVE ACTION PLAN	None	
REPEAT INFORMATION FOR EACH CIRCUIT EXCEEDIN	NG ITS 5 YEAR AVERAGE FOR SAIDI AND/OR SAIFI	

	SECTION 5: CIRCUIT REPORTING							
	EXCEEDING 5 YEAR AVERAGE)	(CIRCUITS WITH SAIDI AND/OR SAI						
	EPORTED EXCLUDING MED)	(CIRCUIT NUMBERS SHOULD BE						
		#19-3	CIRCUIT					
19		TION NAME AND NUMBER Woosle	1 SUBSTATI					
	Nelson-Bellwood Road-Boston	TION LOCATION (COUNTY-ROAD-TOWN)	2 SUBSTATI					
	#3 Hwy 733 to Sanders Lane	NAME AND NUMBER	3 CIRCUIT N					
	Boston-Hwy 733	LOCATION (TOWN-ROAD-GENERAL AREA)	4 CIRCUIT L					
	51 Miles	CIRCUIT LENGTH	5 TOTAL CI					
420		MER COUNT FOR THIS CIRCUIT	6 CUSTOMI					
2013		F LAST CIRCUIT TRIM (VM)	7 DATE OF					
nent 12%	CENTAGE OF TOTAL  Trees 62%, Power Supply 26%, Equipment	JTAGE CAUSES FOR CIRCUIT ALONG WITH PE E NUMBERS REPRESENTED BY EACH CAUSE						
124.64		5 YEAR AVERAGE (SAIDI)	9 CIRCUIT 5					
241.66	<u></u>	TING YEAR (SAIDI)	10 REPORTIN					
2.68		5 YEAR AVERAGE (SAIFI)	11 CIRCUIT S					
2.95		ING YEAR (SAIFI)	12 REPORTIN					
	None	CTIVE ACTION PLAN	13 COORECT					

_							
	RCUIT REPORTING	SECTION 5: CI					
	(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)						
	PORTED EXCLUDING MED)	(CIRCUIT NUMBERS SHOULD BE RE					
		# 19 - 4	CIRCUIT				
19		TION NAME AND NUMBER Woosley	1 SUBSTATIO				
	Nelson-Bellwood Road-Boston	FION LOCATION (COUNTY-ROAD-TOWN)	2 SUBSTATIO				
	#4 US 62	NAME AND NUMBER	3 CIRCUIT NA				
	Boston - US 62	LOCATION (TOWN-ROAD-GENERAL AREA)	4 CIRCUIT LO				
<del></del>	21.6 Miles	IRCUIT LENGTH	5 TOTAL CIR				
246		TER COUNT FOR THIS CIRCUIT	6 CUSTOME				
2013		LAST CIRCUIT TRIM (VM)	7 DATE OF L				
<del></del>	ENTAGE OF TOTAL Planned 65%, Trees 20%, Animals 10%	TAGE CAUSES FOR CIRCUIT ALONG WITH PERCENTED BY EACH CAUSE					
66.03		5 YEAR AVERAGE (SAIDI)	9 CIRCUIT 5				
69.89		ING YEAR (SAIDI)	10 REPORTING				
1.66		5 YEAR AVERAGE (SAIFI)	11 CIRCUIT 5				
1.04		ING YEAR (SAIFI)	12 REPORTIN				
	None	TIVE ACTION PLAN	13 COORECTI				

	IRCUIT REPORTING	SECTION 5: C						
	EXCEEDING 5 YEAR AVERAGE)	(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)						
	EPORTED EXCLUDING MED)	(CIRCUIT NUMBERS SHOULD BE F						
		CIRCUIT #19-5						
19	,	1 SUBSTATION NAME AND NUMBER Woosle						
	Nelson-Bellwood Road-Boston	2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)						
	#5 Stillwell Road - Bellwood Road	3 CIRCUIT NAME AND NUMBER						
	Stillwell Road - Bellwood Road	4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)						
********	14.2 Miles	5 TOTAL CIRCUIT LENGTH						
96		6 CUSTOMER COUNT FOR THIS CIRCUIT						
2013		7 DATE OF LAST CIRCUIT TRIM (VM)						
	CENTAGE OF TOTAL  Trees 59%, Power Supply 41%	8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PER OUTAGE NUMBERS REPRESENTED BY EACH CAUSE						
60.91		9 CIRCUIT 5 YEAR AVERAGE (SAIDI)						
251.39		10 REPORTING YEAR (SAIDI)						
1.23		11 CIRCUIT 5 YEAR AVERAGE (SAIFI)						
1.87		12 REPORTING YEAR (SAIFI)						
	None	13 COORECTIVE ACTION PLAN						

	IRCUIT REPORTING	SECTION 5: 0							
	EXCEEDING 5 YEAR AVERAGE)	(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)							
	EPORTED EXCLUDING MED)	(CIRCUIT NUMBERS SHOULD BE I							
		# 20 - 2	CIRCUIT						
20	t. Washington	ATION NAME AND NUMBER West M	1 SUBSTATIO						
	Bullitt-Hwy 44-Mt. Washington	ATION LOCATION (COUNTY-ROAD-TOWN)	2 SUBSTATIO						
	#2 Hwy 44 & Greenbriar	T NAME AND NUMBER	3 CIRCUIT N						
	Mt. Washington-Greenbriar Road	T LOCATION (TOWN-ROAD-GENERAL AREA)	4 CIRCUIT LO						
	20.7 Miles	5 TOTAL CIRCUIT LENGTH							
740		MER COUNT FOR THIS CIRCUIT	6 CUSTOME						
201:		7 DATE OF LAST CIRCUIT TRIM (VM)							
2%	CENTAGE OF TOTAL  Trees 53%, Unknown 25%, Animals 22%	UTAGE CAUSES FOR CIRCUIT ALONG WITH PER E NUMBERS REPRESENTED BY EACH CAUSE							
24.83		T 5 YEAR AVERAGE (SAIDI)	9 CIRCUIT 5						
60.3		TING YEAR (SAIDI)	10 REPORTIN						
0.44		11 CIRCUIT 5 YEAR AVERAGE (SAIFI)							
1.0		TING YEAR (SAIFI)	12 REPORTIN						
	None	CTIVE ACTION PLAN	13 COORECTI						

	SECTION 5: CI	IRCUIT REPORTING						
	(CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)							
	(CIRCUIT NUMBERS SHOULD BE R	EPORTED EXCLUDING MED)						
CIRCUIT	# 20 - 4							
1 SUBSTATIO	ON NAME AND NUMBER West Mt	Washington 20						
2 SUBSTATIO	ON LOCATION (COUNTY-ROAD-TOWN)	Bullitt-Hwy 44-Mt. Washington						
3 CIRCUIT N	AME AND NUMBER	#4 Flat Lick Road						
4 CIRCUIT LO	OCATION (TOWN-ROAD-GENERAL AREA)	Mt. Washington - Flat Lick Road						
5 TOTAL CIR	CUIT LENGTH	24.1 Miles						
6 CUSTOME	R COUNT FOR THIS CIRCUIT	880						
7 DATE OF L	AST CIRCUIT TRIM (VM)	2011						
	AGE CAUSES FOR CIRCUIT ALONG WITH PERC NUMBERS REPRESENTED BY EACH CAUSE	Lightning 46%, Power Supply 31%, Unknown 12%,						
9 CIRCUIT 5	YEAR AVERAGE (SAIDI)	Animals 6% 81.08						
10 REPORTIN	IG YEAR (SAIDI)	144.18						
11 CIRCUIT 5	YEAR AVERAGE (SAIFI)	2.11						
12 REPORTIN	G YEAR (SAIFI)	1.94						
13 COORECT	IVE ACTION PLAN	None						

		التي كار بكار كار بكار بكار كار كار كار كار كار كار كار كار كار	
	SECTION 5: CI	RCUIT REPORTING	
	(CIRCUITS WITH SAIDI AND/OR SAIFI	EXCEEDING 5 YEAR AVERAGE)	
	(CIRCUIT NUMBERS SHOULD BE RI	EPORTED EXCLUDING MED)	
CIRCUIT	#21-2		
1 SUBSTATI	ON NAME AND NUMBER <u>Beulah B</u>	eam	21
2 SUBSTATI	ON LOCATION (COUNTY-ROAD-TOWN)	Bullitt-Hwy 44-Shepherdsville	
3 CIRCUIT N	IAME AND NUMBER	#2 South Shephersville	
4 CIRCUIT L	OCATION (TOWN-ROAD-GENERAL AREA)	Shepherdsville-South	<del> </del>
5 TOTAL CIF	RCUIT LENGTH	11.4 Miles	·
6 CUSTOME	ER COUNT FOR THIS CIRCUIT		709
7 DATE OF I	LAST CIRCUIT TRIM (VM)		2010
	AGE CAUSES FOR CIRCUIT ALONG WITH PERC NUMBERS REPRESENTED BY EACH CAUSE	ENTAGE OF TOTAL  Trees 32%, Lightning 31%, Equipment 15%  Animals 13%, Unknown 9%	
9 CIRCUIT 5	YEAR AVERAGE (SAIDI)	Animais 13%, Olikilowii 9%	20.04
10 REPORTIN	IG YEAR (SAIDI)		24.2
11 CIRCUIT 5	YEAR AVERAGE (SAIFI)		0.51
12 REPORTIN	IG YEAR (SAIFI)		0.41
13 COORECT	IVE ACTION PLAN	None	

-	SECTION 5: CIRCUIT REPORTING
(CIRC	UITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE
(CI	RCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT # 21 - 3

1 SUBSTATION NAME AND NUMBER Beulah E	Beam	21
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Bullitt-Hwy 44-Shepherdsville	
3 CIRCUIT NAME AND NUMBER	#3 North Shepherdsville	
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Shepherdsville-North	***************************************
5 TOTAL CIRCUIT LENGTH	17.4 Miles	****
6 CUSTOMER COUNT FOR THIS CIRCUIT		845
7 DATE OF LAST CIRCUIT TRIM (VM)		2010
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PERCOUTAGE NUMBERS REPRESENTED BY EACH CAUSE	CENTAGE OF TOTAL Public Tree 89%	
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)		32.88
10 REPORTING YEAR (SAIDI)		43.02
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)		0.83
12 REPORTING YEAR (SAIFI)		1.32
13 COORECTIVE ACTION PLAN	None	·*·

C	Fſ	CT	N	ς.	$\sim$	R	CI	H	Т	R	F	P۱	1	B.	TI	N	G	
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#### (CIRCUITS WITH SAIDI AND/OR SAIFI EXCEEDING 5 YEAR AVERAGE)

#### (CIRCUIT NUMBERS SHOULD BE REPORTED EXCLUDING MED)

CIRCUIT # 21 - 4

1 SUBSTATION NAME AND NUMBER BE	eulah Beam 21
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN	Bullitt-Hwy 44-Shepherdsville
3 CIRCUIT NAME AND NUMBER	#4 Hwy 44 to Lazy River
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL ARE	EA) Hwy 44 to Lazy River
5 TOTAL CIRCUIT LENGTH	30.4 Miles
6 CUSTOMER COUNT FOR THIS CIRCUIT	966
7 DATE OF LAST CIRCUIT TRIM (VM)	2010
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WIT OUTAGE NUMBERS REPRESENTED BY EACH CAU	JSE Unknown 24%, Trees 21%, Vehicle 20%
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	Equipment 18%, Lightning 17%  34.99
10 REPORTING YEAR (SAIDI)	61.92
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	1.08
12 REPORTING YEAR (SAIFI)	1.03
13 COORECTIVE ACTION PLAN	None

REPORTED E	JMBERS SHOULD BE	(CIRCUITS WITH SAID (CIRCUIT NUMBER # 22 - 4  TION NAME AND NUMBER TION LOCATION (COUNTY-ROA	1 SUBSTATION NA
henor Nelson- #4 US 3	ER <u>Joe Tic</u>	# 22 - 4 . TION NAME AND NUMBER	1 SUBSTATION NA
Nelson- #4 US 3		TION NAME AND NUMBER	1 SUBSTATION NA
Nelson- #4 US 3			
#4 US 3	Y-ROAD-TOWN)	TION LOCATION (COUNTY-ROA	2 SUBSTATION LO
US 31 F		NAME AND NUMBER	3 CIRCUIT NAME
3334	D-GENERAL AREA)	LOCATION (TOWN-ROAD-GEN	4 CIRCUIT LOCATION
31.8 Mi		CIRCUIT LENGTH	5 TOTAL CIRCUIT I
	RCUIT	MER COUNT FOR THIS CIRCUIT	6 CUSTOMER COU
	1)	F LAST CIRCUIT TRIM (VM)	7 DATE OF LAST C
	)	5 YEAR AVERAGE (SAIDI)	9 CIRCUIT 5 YEAR
		ING YEAR (SAIDI)	10 REPORTING YEA
·	)	5 YEAR AVERAGE (SAIFI)	11 CIRCUIT 5 YEAR
		ING YEAR (SAIFI)	12 REPORTING YEA
Circuit		TIVE ACTION PLAN	13 COORECTIVE AC
ng 94%, Equi	Circuit will be rebuil	Lightning 94%, Equi	AUSES FOR CIRCUIT ALONG WITH PERCENTAGE OF TOTAL ERS REPRESENTED BY EACH CAUSE  AVERAGE (SAIDI)  R (SAIDI)  AVERAGE (SAIFI)  R (SAIFI)  Circuit will be rebuil

	RCUIT REPORTING	SECTION 5	
	EXCEEDING 5 YEAR AVERAGE)	(CIRCUITS WITH SAIDI AND/OR SA	
,	EPORTED EXCLUDING MED)	(CIRCUIT NUMBERS SHOULD BI	
		# 23 - 3	CIRCUIT
23	homas	ON NAME AND NUMBER	1 SUBSTATI
	Spencer-Hwy 155-Elk Creek	ON LOCATION (COUNTY-ROAD-TOWN)	2 SUBSTATI
	#3 Kings Chuch Road	IAME AND NUMBER	3 CIRCUIT N
	Kings Church Road	OCATION (TOWN-ROAD-GENERAL AREA)	4 CIRCUIT L
	46 Miles	RCUIT LENGTH	5 TOTAL CIF
891		ER COUNT FOR THIS CIRCUIT	6 CUSTOME
2011		LAST CIRCUIT TRIM (VM)	7 DATE OF I
	ENTAGE OF TOTAL Lightning 99%	AGE CAUSES FOR CIRCUIT ALONG WITH PENUMBERS REPRESENTED BY EACH CAUSE	
12.07		S YEAR AVERAGE (SAIDI)	9 CIRCUIT 5
13.59	·	NG YEAR (SAIDI)	10 REPORTIN
0.3	·····	S YEAR AVERAGE (SAIFI)	11 CIRCUIT 5
0.19		NG YEAR (SAIFI)	12 REPORTIN
	None	IVE ACTION PLAN	13 COORECT

	SECTION 5: CIR	CUIT REPORTING	
	(CIRCUITS WITH SAIDI AND/OR SAIFI E	EXCEEDING 5 YEAR AVERAGE)	
	(CIRCUIT NUMBERS SHOULD BE RE	PORTED EXCLUDING MED)	
CIRCUIT	# 25 - 1		
1 SUBSTATIO	DN NAME AND NUMBER Lebanon J	unction	25
2 SUBSTATIO	ON LOCATION (COUNTY-ROAD-TOWN)	Bullitt-US 61-Lebanon Junction	<del></del>
3 CIRCUIT NA	AME AND NUMBER	#1 US 61-Lebanon Junction	
4 CIRCUIT LO	DCATION (TOWN-ROAD-GENERAL AREA)	Lebanon Junction	
5 TOTAL CIR	CUIT LENGTH	29.1 Miles	
6 CUSTOME	R COUNT FOR THIS CIRCUIT		363
7 DATE OF L	AST CIRCUIT TRIM (VM)		2013
	AGE CAUSES FOR CIRCUIT ALONG WITH PERCE	Power Supply 64%, Trees 22%, Lightning 8%,	
9 CIRCUIT 5	YEAR AVERAGE (SAIDI)	Unknown 6%	71.96
10 REPORTING	G YEAR (SAIDI)		165.09
11 CIRCUIT 5	YEAR AVERAGE (SAIFI)	<del></del>	1.05
12 REPORTING	G YEAR (SAIFI)		1.47
13 COORECTI	VE ACTION PLAN	None	

	SECTION 5:	CIRCUIT REPORTING
	(CIRCUITS WITH SAIDI AND/OR SAI	FI EXCEEDING 5 YEAR AVERAGE)
	(CIRCUIT NUMBERS SHOULD BE	REPORTED EXCLUDING MED)
CIRCUIT	# 25 - 2	
1 SUBSTATIO	ON NAME AND NUMBER Leband	on Junction 25
2 SUBSTATIO	ON LOCATION (COUNTY-ROAD-TOWN)	Bullitt-US 61-Lebanon Junction
3 CIRCUIT NA	AME AND NUMBER	#2 US 61-Belmont
4 CIRCUIT LO	OCATION (TOWN-ROAD-GENERAL AREA)	US 61 - Belmont
5 TOTAL CIR	CUIT LENGTH	33.3 Miles
6 CUSTOME	R COUNT FOR THIS CIRCUIT	465
7 DATE OF L	AST CIRCUIT TRIM (VM)	2013
	GE CAUSES FOR CIRCUIT ALONG WITH PE UMBERS REPRESENTED BY EACH CAUSE	RCENTAGE OF TOTAL  Trees 49%, Power Supply 22%, Equipment 20%,
9 CIRCUIT 5	YEAR AVERAGE (SAIDI)	Vehicle 9%
10 REPORTING	G YEAR (SAIDI)	275.36
11 CIRCUIT 5	YEAR AVERAGE (SAIFI)	1.94
12 REPORTING	G YEAR (SAIFI)	5.24
13 COORECTI	VE ACTION PLAN	None

	EIRCUIT REPORTING	SECTION 5: 0
	I EXCEEDING 5 YEAR AVERAGE)	(CIRCUITS WITH SAIDI AND/OR SAIF
	REPORTED EXCLUDING MED)	(CIRCUIT NUMBERS SHOULD BE I
		RCUIT # 26 - 1
26	sburg	1 SUBSTATION NAME AND NUMBER Fredrick
	Washington-Fredricksburg	2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)
	#1 Lincoln Park Road	3 CIRCUIT NAME AND NUMBER
	Lincoln Park Road	4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)
	42.6 Miles	5 TOTAL CIRCUIT LENGTH
342		6 CUSTOMER COUNT FOR THIS CIRCUIT
2012		7 DATE OF LAST CIRCUIT TRIM (VM)
	CENTAGE OF TOTAL Lightning 99%	8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PER OUTAGE NUMBERS REPRESENTED BY EACH CAUSE
92.24		9 CIRCUIT 5 YEAR AVERAGE (SAIDI)
246.08		0 REPORTING YEAR (SAIDI)
		1 CIRCUIT 5 YEAR AVERAGE (SAIFI)
1.55		2 REPORTING YEAR (SAIFI)
	None	3 COORECTIVE ACTION PLAN

	SECTION 5: 0	CIRCUIT REPORTING	
	(CIRCUITS WITH SAIDI AND/OR SAIF	ELEXCEEDING 5 YEAR AVERAGE)	
	(CIRCUIT NUMBERS SHOULD BE I	REPORTED EXCLUDING MED)	
CIRCUIT # 26 -	2		
1 SUBSTATION NAI	ME AND NUMBER Fredric	ksburg	26
2 SUBSTATION LOC	CATION (COUNTY-ROAD-TOWN)	Washington-Fredricksburg	
3 CIRCUIT NAME A	ND NUMBER	#2 Maud	
4 CIRCUIT LOCATIO	ON (TOWN-ROAD-GENERAL AREA)	Maud area	···
5 TOTAL CIRCUIT L	ENGTH	43.2 Miles	
6 CUSTOMER COU	NT FOR THIS CIRCUIT		293
7 DATE OF LAST CI	RCUIT TRIM (VM)		2012
	USES FOR CIRCUIT ALONG WITH PER	RCENTAGE OF TOTAL Trees 99%	
9 CIRCUIT 5 YEAR	AVERAGE (SAIDI)		36.45
10 REPORTING YEAR	R (SAIDI)		79.15
11 CIRCUIT 5 YEAR	AVERAGE (SAIFI)		0.83
12 REPORTING YEAR	R (SAIFI)		0.23
13 COORECTIVE ACT	TION PLAN	None	
REPEAT INFORM	NATION FOR EACH CIRCUIT EXCEEDIN	NG ITS 5 YEAR AVERAGE FOR SAIDI AND	/OR SAIFI

	EXCEEDING 5 YEAR AVERAGE)	(CIRCUITS WITH SAIDI AND/OR SAI	
	EPORTED EXCLUDING MED)	(CIRCUIT NUMBERS SHOULD BE	
		# 26 - 3	CIRCUIT
26	sburg	TON NAME AND NUMBER Fredric	1 SUBSTATIO
<u> </u>	Washington-Fredricksburg	ION LOCATION (COUNTY-ROAD-TOWN)	2 SUBSTATIO
	# Fredricksburg Hill	NAME AND NUMBER	3 CIRCUIT N
	Fredricksburg	LOCATION (TOWN-ROAD-GENERAL AREA)	4 CIRCUIT LO
	45.5 Miles	IRCUIT LENGTH	5 TOTAL CIR
306		ER COUNT FOR THIS CIRCUIT	6 CUSTOME
2012		LAST CIRCUIT TRIM (VM)	7 DATE OF L
ent 12%	CENTAGE OF TOTAL Lightning 56%, Trees 32%, Equipmen	TAGE CAUSES FOR CIRCUIT ALONG WITH PE NUMBERS REPRESENTED BY EACH CAUSE	
131.15		5 YEAR AVERAGE (SAIDI)	9 CIRCUIT 5
284.01		NG YEAR (SAIDI)	10 REPORTIN
1.16		5 YEAR AVERAGE (SAIFI)	11 CIRCUIT 5
1.23		NG YEAR (SAIFI)	12 REPORTIN
	None	TIVE ACTION PLAN	13 COORECT

	IRCUIT REPORTING	SECTION 5: C
	EXCEEDING 5 YEAR AVERAGE)	(CIRCUITS WITH SAIDI AND/OR SAIF
	EPORTED EXCLUDING MED)	(CIRCUIT NUMBERS SHOULD BE F
		# 27 - 2
27	ount	TION NAME AND NUMBER Little M
	Spencer-Hwy 44-Little Mount	TION LOCATION (COUNTY-ROAD-TOWN)
	#2 Little Mount	NAME AND NUMBER
	Little Mount Area	LOCATION (TOWN-ROAD-GENERAL AREA)
	32.8 Miles	CIRCUIT LENGTH
418		MER COUNT FOR THIS CIRCUIT
2013		F LAST CIRCUIT TRIM (VM)
2%,	Unknown 51%, Animals 26%, Lightning 12%,	ITAGE CAUSES FOR CIRCUIT ALONG WITH PER E NUMBERS REPRESENTED BY EACH CAUSE
26.98	Equipment 10%	5 YEAR AVERAGE (SAIDI)
45.46		ING YEAR (SAIDI)
0.63		5 YEAR AVERAGE (SAIFI)
0.44		ING YEAR (SAIFI)
	None	CTIVE ACTION PLAN

	SECTION 5: C	CIRCUIT REPORTING	
	(CIRCUITS WITH SAIDI AND/OR SAIF	EXCEEDING 5 YEAR AVERAGE)	
	(CIRCUIT NUMBERS SHOULD BE F	REPORTED EXCLUDING MED)	
CIRCUIT	# 27 - 3		
1 SUBSTATIO	ON NAME AND NUMBER Little M	ount	27
2 SUBSTATIO	ON LOCATION (COUNTY-ROAD-TOWN)	Spencer-Hwy 44-Little Mount	
3 CIRCUIT N	AME AND NUMBER	#3 Possum Ridge	
4 CIRCUIT LO	OCATION (TOWN-RDAD-GENERAL AREA)	Possum Ridge	
5 TOTAL CIR	CUIT LENGTH	19.5 Miles	
6 CUSTOME	R COUNT FOR THIS CIRCUIT		177
7 DATE OF L	AST CIRCUIT TRIM (VM)		2013
	AGE CAUSES FOR CIRCUIT ALONG WITH PER NUMBERS REPRESENTED BY EACH CAUSE	CENTAGE OF TOTAL Unknown 62%, Wind 26%, Animals 11%	
9 CIRCUIT 5	YEAR AVERAGE (SAIDI)		44.72
10 REPORTIN	G YEAR (SAIDI)		82.51
11 CIRCUIT 5	YEAR AVERAGE (SAIFI)		0.68
12 REPORTIN	G YEAR (SAIFI)		1.03
13 COORECTI	VE ACTION PLAN	None	

	RCUIT REPORTING	SECTION 5: C
	EXCEEDING 5 YEAR AVERAGE)	(CIRCUITS WITH SAIDI AND/OR SAIF
	EPORTED EXCLUDING MED)	(CIRCUIT NUMBERS SHOULD BE F
		# 28 - 3
28	s Parkway	ON NAME AND NUMBER Bluegra
	Nelson-Bluegrass Parkway-Bardstown	ON LOCATION (COUNTY-ROAD-TOWN)
	#3 US 62	AME AND NUMBER
	Bardstown-US 62	OCATION (TOWN-ROAD-GENERAL AREA)
	83.3 Miles	RCUIT LENGTH
1407		R COUNT FOR THIS CIRCUIT
2013		AST CIRCUIT TRIM (VM)
	ENTAGE OF TOTAL Wind 94%	AGE CAUSES FOR CIRCUIT ALONG WITH PER NUMBERS REPRESENTED BY EACH CAUSE
75.44		YEAR AVERAGE (SAIDI)
318.37		IG YEAR (SAIDI)
0.84		YEAR AVERAGE (SAIFI)
1.92		G YEAR (SAIFI)
	None	IVE ACTION PLAN

		SECTION 5
	EXCEEDING 5 YEAR AVERAGE)	(CIRCUITS WITH SAID! AND/OR SA
	EPORTED EXCLUDING MED)	(CIRCUIT NUMBERS SHOULD B
		#30-2
30	ille	TION NAME AND NUMBER Deate
	Nelson-Deatesville Road	TON LOCATION (COUNTY-ROAD-TOWN)
	#2 Hwy 245 & Samuels	NAME AND NUMBER
	Hwy 245 7 Samuels	LOCATION (TOWN-ROAD-GENERAL AREA)
	38.1 Miles	IRCUIT LENGTH
923		ER COUNT FOR THIS CIRCUIT
2011		LAST CIRCUIT TRIM (VM)
Trees 13%	CENTAGE OF TOTAL  Miscoordination 71%, Overload 16%, Trees	TAGE CAUSES FOR CIRCUIT ALONG WITH P NUMBERS REPRESENTED BY EACH CAUSE
27.4		5 YEAR AVERAGE (SAIDI)
32.88	<del></del>	NG YEAR (SAIDI)
0.47		5 YEAR AVERAGE (SAIFI)
0.3		NG YEAR (SAIFI)
	None	TIVE ACTION PLAN

SECTION 5: 0	CIRCUIT REPORTING
(CIRCUITS WITH SAIDI AND/OR SAIF	FI EXCEEDING 5 YEAR AVERAGE)
(CIRCUIT NUMBERS SHOULD BE	REPORTED EXCLUDING MED)
CIRCUIT #30-3	
1 SUBSTATION NAME AND NUMBER Deatest	ville
2 SUBSTATION LOCATION (COUNTY-ROAD-TOWN)	Nelson-Deatesville Road
3 CIRCUIT NAME AND NUMBER	#3 Cedar Grove Road
4 CIRCUIT LOCATION (TOWN-ROAD-GENERAL AREA)	Cedar Grove Road
5 TOTAL CIRCUIT LENGTH	23.8 Miles
6 CUSTOMER COUNT FOR THIS CIRCUIT	298
7 DATE OF LAST CIRCUIT TRIM (VM)	2011
8 LIST OUTAGE CAUSES FOR CIRCUIT ALONG WITH PER OUTAGE NUMBERS REPRESENTED BY EACH CAUSE	RCENTAGE OF TOTAL Equipment 47%, Unknown 32%, Animals 21%
9 CIRCUIT 5 YEAR AVERAGE (SAIDI)	65.19
10 REPORTING YEAR (SAIDI)	66.3
11 CIRCUIT 5 YEAR AVERAGE (SAIFI)	0.99
12 REPORTING YEAR (SAIFI)	0.97
13 COORECTIVE ACTION PLAN	None

7		
	SECTION 6: VEGETATION MANAGEMENT PLAN REVIEW	
•	INCLUDE CURRENT VEGETATION MANAGEMENT PLAN Additional page may be attached as needed	<del></del>
	Additional page may be attached as needed	
	<del></del>	
<b></b>		
•	SECTION 7: UTILITY COMMENTS	
	SECTION 7: UTILITY COMMENTS	
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	SECTION 7: UTILITY COMMENTS	



### VEGETATION MANAGEMENT PLAN

## Right of Way Management

Salt River Electric recognizes that vegetation management along utility Right of Ways is extremely important to the overall reliability of the electrical system. Properly maintained Right of Ways will minimize the occurrence of interruptions and additionally will not hinder the restoration process should an outage occur. Salt River Electric also understands that properly maintained Right of Ways is necessary to ensure public safety. In addition, the maintained of Right of Ways will help to decrease system losses and increase productivity of the utility.

Salt River Electric has used a vast knowledge of experience in developing the vegetation management plan. Industry standards have been consulted in the development of this plan along with professional forestry personnel. The plan is periodically reviewed using a combination of reliability indices, including SAIFI & SAIDI, and all relevant experience that has been gained to ensure that the vegetation management plan is current for our needs.

In accordance with our current plan, Salt River Electric will strive to adhere to the following guidelines whenever possible with the understanding that these can be adjusted as deemed necessary by management.

- 1. Salt River Electric will plan on trimming Right of Ways on a four-year cycle.
- 2. Salt River Electric will trim to ANSI A300 standards when possible.
- 3. Three Phase lines will be trimmed to a width of 30 feet where possible.
- 4. Single Phase lines will be trimmed to a width of 20 feet where possible.
- 5. Services will be trimmed to be able to swing clear of trees where possible.
- 6. Herbicide application will be used to treat brush in the year following the trimming where possible.
- 7. All efforts will be made to remove rather than trim problem trees where possible.
- 8. Salt River Electric or a designee will attempt to contact customers prior to trimming Right of Ways on their property.
- 9. Salt River Electric or a designee will respond to customer requests to determine the best means of action for issues that fall outside of the normal rotation.
- 10. Salt River Electric will do routine maintenance inspections of the system and any vegetation management issues that fall outside of the normal cycle will be addressed as needed.

Salt River Electric understands that customer satisfaction is vital to all of its members. With that in mind, Salt River Electric personnel or their designee have the option to deviate from the above set of guidelines when they believe that the request is reasonable and in the best interest of all parties. Salt River Electric will not honor requests that are deemed unreasonable and which may jeopardize safety or reliability.

Salt River Electric will annually evaluate the vegetation management plan to determine its effectiveness. Reliability indices will be used along with personnel observations and experiences to ensure that the vegetation management plan is meeting our needs.